Approved for Entry
2/14/08

501.43432X00
S.N. 10/767,007

SUBSTITUTE SPECIFICATION

ORGANIC LIGHT EMITTING DISPLAY DEVICE

BACKGROUND OF THE INVENTION

The present invention relates to an organic light emitting display device, and, more particularly, to an organic light emitting display device in which the brightness is enhanced by increasing the utilization efficiency of the emitted light.

Recently, as one example of next-generation flat type display devices, a display device which uses organic light emitting elements has been attracting attention. The display device using organic light emitting elements (hereinafter referred to as an organic light emitting display device) has excellent characteristics, such as a self-luminescent light capability, a wide viewing angle and rapid response characteristics. The structure of the conventional organic light emitting element is constituted of a transparent substrate, which is preferably made of glass; first electrodes made of ITO or the like, which are formed on the transparent substrate; an organic light emitting layer constituted of a hole transporting layer, a light emitting layer and an electron transporting layer and the like, which are stacked on the first electrodes; and second electrodes having a low work function, which are formed on the organic light emitting layer.

By applying a voltage of approximately several V between the first electrode and the second electrode, holes and electrons are respectively injected into the respective electrodes, and they are coupled in the light emitting layer after passing through the hole transporting layer and the electron transporting layer, respectively, thus generating excitons, and light is emitted when these excitons return to a ground state. In a so-called bottom-emission-type organic light emitting display device, which uses a